

Title (en)

Carpets with surfactant-stabilised emulsion polymer coating binder

Title (de)

Teppiche mit tensid-stabilisierten Emulsionspolymerbindemitteln

Title (fr)

Tapis à liants de tapis polymères en émulsion stabilisée par un tensioactif

Publication

EP 2644769 A1 20131002 (EN)

Application

EP 13174314 A 20110503

Priority

- US 2010033377 W 20100503
- EP 11720652 A 20110503

Abstract (en)

Disclosed are carpet products made using certain types of coating compositions to secure carpet fibers to a carpet backing or substrates and/or to secure one or more carpet scrims or other layers to carpet backing. The coating compositions, which can be in the form of either precoat or skip coating compositions, are made from latex binder emulsions based on interpolymers emulsion polymerised from vinyl esters, ethylene, and a multifunctional cross-linking co-monomer such as an unsaturated silane. Such emulsions are also stabilised with surfactant emulsifiers but are substantially free of protective colloid stabilisers. The multifunctional co-monomer alters interpolymer molecular weight, branching and/or flow properties such that films formed from such interpolymers exhibit relatively low elongation values. When the emulsion binder exhibits such non-elongating film-forming characteristics, the carpet coating composition made from such binders can be easily processed without build-up on carpet processing apparatus. Such binder emulsions which are stabilised substantially only with surfactant emulsifiers, and not with protective colloids, also have excellent compatibility with other coating composition components.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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Designated extension state (EPC)

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DOCDB simple family (application)

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